



KALPAVRUKSHA MODEL SCHOOL

Online class Assignments

Class: X

Sub: Chemistry

Date: 05.07.2021

Topic: Acids, Bases and Salts

I. Answers for the following questions:

1. What will happen following indicators comes in contact with acid?

a) Methyl orange b) Phenolphthalein c) red litmus d) blue litmus

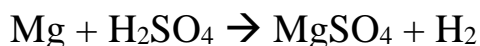
Ans: a) Methyl orange → Red b) Phenolphthalein → Colourless

c) red litmus → No change d) blue litmus → Red

2. What do you observe when dilute acids comes in contact with metals? Explain with 2 balanced chemical equations.

Ans: Dilute acids reacts with metals to form respective salts with the liberation of hydrogen gases.

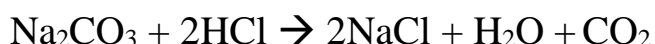
Metal + Acid → Salt + Hydrogen gas



3. What do you observe when acids react with metal carbonates? Explain with 2 balanced chemical equations.

Ans: Acids reacts with metal carbonates to produce salt, water and carbon dioxide gas.

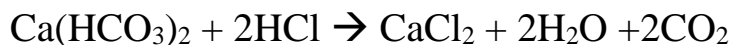
Metal carbonate + Acid → Salt + Water + Carbon dioxide gas



4. What do you observe when acids react with metal bi carbonates? Explain with 2 balanced chemical equations.

Ans: Acids reacts with metal bicarbonates to produce salt, water and carbon dioxide gas.

Metal bicarbonate + Acid \rightarrow Salt + Water + Carbon dioxide gas



5. What do you observe when acids react with metallic oxides? Explain with 2 balanced chemical equations.

Ans: Acids reacts with metallic oxides to form salt and water.

Metal oxide + Acid \rightarrow Salt + Water



6. With the help of suitable examples explain neutralization reaction.

Ans: Acids reacts with bases to form salt and water.

Acid + Base \rightarrow Salt + Water

